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Title ***EM Analysis of Radome Panel Performance Measurements for DWR Radome***

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Abstract

EM analysis of the A-sandwich flat radome panel measurements made at the PNFN LRDE, is carried out at the CEM Lab. Repeatability of the system (i.e. PNFN-LRDE) is determined for both the co- and cross-polarisations. This involves taking average over the sample points, along with the standard deviation which determines scatter of the data. The insertion loss and the insertion phase are obtained, both for the co- and cross-polarisations. It is observed that the insertion loss of the A-sandwich flat radome panel is of the order of 0.1 dB.